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*Via U.S. Mail*

February 8, 2008

Joseph LeMay, Remedial Project Manager  
US EPA – Region I  
1 Congress Street  
Suite 1100 (HBO)  
Boston, MA 02114-2023

Re: Operations & Maintenance Summary Monthly Report – January 2008  
UniFirst Corporation, Wells G&H Site, Woburn, MA

Dear Mr. LeMay:

On behalf of UniFirst Corporation, I am submitting the report “Source Area & Operable Unit 1, Operations & Maintenance Summary Monthly Report” for the period January 1 through January 31, 2008.

Should you have any questions, please call.

Sincerely,

Timothy M. Cosgrave  
Project Manager

TMC:hs  
enclosure

cc: Jennifer McWeeney, BWSC, DEP  
David Sullivan, TRC  
Jack Badey, UniFirst  
Greg Bibler, Goodwin Procter LLP  
Peter Cox, RETEC  
Susan Brand, Cummings Properties  
Jay Bridge, GeoTrans  
Maryellen Johns, Remedium  
Jeffrey Lawson, PCC  
Jay Stewart, Lowenstein Sandler  
Jeff Hamel, Woodward & Curran

Wells G&H  
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249 Ayer Road, Suite 206  
Harvard, Massachusetts  
01451-1133

978-772-1105  
Fax 978-428-6177  
tcosgrave@harvardprojects.com

**Source Area & Operable Unit 1  
Operations & Maintenance  
Summary Monthly Report  
UniFirst Corporation**

**January 1 – January 31, 2008**

Wells G & H Site  
Woburn, Massachusetts

*Prepared for:*  
UniFirst Corporation  
68 Jonspin Road  
Wilmington, Massachusetts  
01887-1086

*Prepared by:*  
  
Harvard Project Services LLC  
249 Ayer Road, Suite 206  
Harvard, MA 01451-1133

# 1 Introduction

Harvard Project Services (HPS), as Operation and Maintenance Contractor of the groundwater recovery and treatment system (System) at UniFirst Corporation, 15 Olympia Avenue, Woburn, Massachusetts, has prepared this report. The System, which started pumping on September 30, 1992, is part of the ongoing Remedial Action of the Wells G&H Superfund Site in Woburn, Massachusetts. This report describes the groundwater recovery and treatment activities for the period January 1 through January 31, 2008 and identifies future RD/RA activities at the site.

## 2 System Operation & Maintenance

### 2.1 Maintenance

Activities during the reporting period at the Treatment Plant are summarized in the Maintenance Summary Table.

**UniFirst Treatment Plant Maintenance Summary**

<b>Date</b>	<b>Activity</b>	<b>Company</b>
January 2	Routine Site Visit	HPS
January 8	Routine Site Visit Monthly Sampling	HPS
January 16	Routine Site Visit	HPS
January 23	Routine Site Visit Backwash Multi-media filter	HPS
January 30	Routine Site Visit	HPS

### 2.2 Treatment System Process Flow & Pressures

The total monthly flow through the System for the reporting period was 1.78 million gallons. The average flow during this period was approximately 39.9 gallons per minute. The average hourly flow rate in gallons per minute is depicted in Figure 1.

The average hourly carbon pressure at the influent to the primary tank during the month was 7.8 psi. The trend of the carbon system pressure is illustrated in Figure 1. The process flow through the carbon vessels was Tank 2 to Tank 3 to Tank 4.

### 2.3 Drawdown Elevation in UC22

During the reporting period, the average hourly pumping water level elevation in well UC22 was approximately 12.9. The water level elevations for the month are shown on Figure 1.

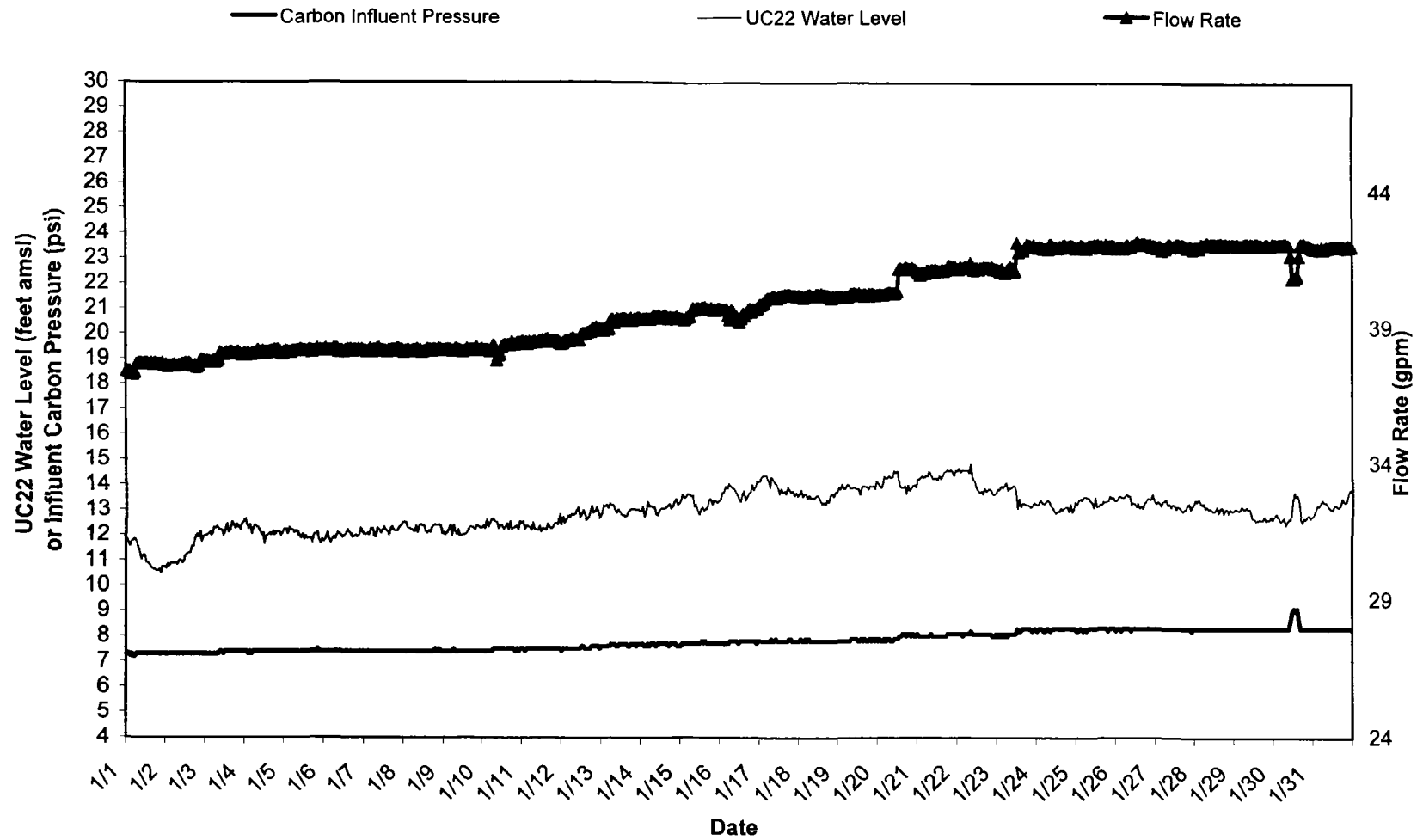
### **3 Treatment System Performance**

The effectiveness of the treatment system is monitored by monthly sampling and analysis. Analytical samples for routine monitoring were collected on January 8, 2008 from sample points S1, S5C1, S5C2, S6 and S7. Monthly analytical results are summarized in the attached table, "Water Quality Summary."

### **4 Future Activities**

Operation and monitoring of the groundwater extraction and treatment system will continue. Routine monthly samples will be collected on February 5 and March 4, 2008

Figure 1: January 2008 Operations Data



## Water Quality Summary

Groundwater Treatment System  
UniFirst Corporation  
Wells G & H Site, Woburn, Massachusetts

Sample Date: 1/8/2008

Method: 8260

Sample Location: **S1, Influent**

CAS No.	Compound	Result	Qualifier	Units	Detection Limit
56-23-5	Carbon Tetrachloride	<1.0		µg/L	1.0
75-34-4	1,1-Dichloroethene	<1.0		µg/L	1.0
127-18-4	Tetrachloroethene	200		µg/L	5.0
79-01-6	Trichloroethene	20		µg/L	1.0
0540-59-0	1,2-Dichloroethene (total)	3		µg/L	2.0
71-55-6	1,1,1-Trichloroethane	2		µg/L	1.0

Sample Date: 1/8/2008

Method: 8260

Sample Location: **S5C1, 1<sup>st</sup> carbon effluent**

CAS No.	Compound	Result	Qualifier	Units	Detection Limit
56-23-5	Carbon Tetrachloride	<1.0		µg/L	1.0
75-34-4	1,1-Dichloroethene	<1.0		µg/L	1.0
127-18-4	Tetrachloroethene	71		µg/L	1.0
79-01-6	Trichloroethene	23		µg/L	1.0
0540-59-0	1,2-Dichloroethene (total)	4		µg/L	2.0
71-55-6	1,1,1-Trichloroethane	2		µg/L	1.0

Sample Date: 1/8/2008

Method: 8260

Sample Location: **S5C2, 2<sup>nd</sup> carbon effluent**

CAS No.	Compound	Result	Qualifier	Units	Detection Limit
56-23-5	Carbon Tetrachloride	<1.0		µg/L	1.0
75-34-4	1,1-Dichloroethene	<1.0		µg/L	1.0
127-18-4	Tetrachloroethene	<1.0		µg/L	1.0
79-01-6	Trichloroethene	0.6 J		µg/L	1.0
0540-59-0	1,2-Dichloroethene (total)	6		µg/L	2.0
71-55-6	1,1,1-Trichloroethane	3		µg/L	1.0

Sample Date: 1/8/2008

Method: 524.2

Sample Location: **S6, final effluent**

CAS No.	Compound	Discharge Limit	Result	Qualifier	Units	Detection Limit
71-43-2	Benzene	5.0	<0.5		µg/L	0.5
56-23-5	Carbon Tetrachloride	5.0	<0.5		µg/L	0.5
75-34-4	1,1-Dichloroethene	7.0	<0.5		µg/L	0.5
127-18-4	Tetrachloroethene	5.0	<0.5		µg/L	0.5
79-01-6	Trichloroethene	5.0	<0.5		µg/L	0.5
0540-59-0	1,2-Dichloroethene (total)	70.0	1.9		µg/L	1.0
71-55-6	1,1,1-Trichloroethane	Monitor Only	1.6		µg/L	0.5
7439-92-1	Lead, total (Method 200.7)	10.2	0.91		µg/L	0.9